

REMARKS

Claims 1-4, 6-47 are pending herein.

Applicants note with appreciation that the PTO has allowed claims 28-32 and 36. Applicants further note with appreciation that the PTO has found claims 5-7, 17-20, 39 and 40 to contain allowable subject matter.

Independent claims 1, 14, and 38 have been amended to include subject matter. Applicants understand from the Office Action of Jan 24, 2007 to be allowable. The amended claims recite the further limitation wherein J_c when a magnetic field is applied perpendicular to the surface of the superconductor is at least about 50% of the J_c that exists when the magnetic field is applied parallel to the surface of the superconductor.

Claims 6-7, 17-20, 39 and 40 have been written in independent form.

Applicants respectfully submit that amendments to the claims place claims 1-4, 6-47 in condition for allowance.

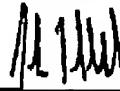
The 35 USC 102 rejection over Doi et al. (US 6,316,391) is moot in light of the amendments to the claims.

Applicant(s) respectfully submit that the present application is now in condition for allowance. Accordingly, the Examiner is requested to issue a Notice of Allowance for all pending claims.

Should the Examiner deem that any further action by the Applicants would be desirable for placing this application in even better condition for issue, the Examiner is requested to telephone Applicants' undersigned representative at the number listed below.

Applicant(s) does not believe that any additional fees are due, but if the Commissioner believes additional fees are due, the Commissioner is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account Number 50-3797.

Respectfully submitted,



Date

4-24-07

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